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Result
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Perfect score:
Sequence:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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Copyright (c) 1993 - 2003 Compugen_Ltd.
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RP COUPLING TO BB RX MEDLINEs972073 RA HE X., Saint-J RT MIN-SA.", Saint-J RT MIN-SA." RT MIN-SA." Science 275:16 CC -1- FUNCTION: CC -1- FUNCTION: CC -1- GSK-3 kina CC of Wnt tax CC of Wnt tax CC integrated CC integrated CC integrated CC transduction CC transduction CC transduction CC transduction	olecui	QUENCE FROM SSUB-RETINA DLINE-9621A ng Y, Mack libert D.J. large fami large fami coduct of the Biol. Chem QUENCE FROM DLINE-213011	MAN D5 HUMAN D5 HUMAN -J067; -JUN-2002 ( -JUN-2002 ( -JUN-2002 ( -JUN-2012 ( -JUN-2014 pr b5 OR HFZ5. D5 OR HFZ5. mo sapiens karyota; Me mmalia; Eutl BI_TaxID=96	304.5 302.5 302.5 299.5 293.5 293.5 284 282 271 261 218.5
FIRA-CATENIN PATHWAY.  341, PubMed=9054360;  Jeannet J.P., Wang Y., Nathans J., Dawid I., Varm.  The Prizzled protein family mediating axis induction for the proteins. Most of frizzled reception for Wint proteins. Most of frizzled reception for the beta-catenin canonical signaling pathway and to the beta-catenin canonical signaling pathway involving see, nuclear accumulation of beta-catenin and activety for the second signaling pathway involving shares has been seen for some family members, but it in the canonical pathway, as PKC seems to be required the first terpresents a distinct pathway or if it in the canonical pathway, as PKC seems to be required to the canonical pathway.  In the canonical pathway, as PKC seems to be required to the canonical pathway as PKC seems to be required to the canonical pathway.  In the canonical pathway as PKC seems to be required to the canonical pathway or if it in the canonical pathway as PKC seems to be required to the canonical pathway as PKC seems to be required to the canonical pathway or if it is not the canonical pathway or if it is not the canonical pathway as PKC seems to be required to the canonical pathway or if it is not the canonical pathway or	rai M., Katoh M.; oning and characteri 33.3-q34 region."; 33.3-q34 region.", 19:105-110(2001). 73-331 FROM N.A. ageal carcinoma; 323, PubMed=9707618; iyoshi T., Mori M., zled gene identified beta-catenin signals cad. Sci.,U.S.A. 95:	w N.A.  3;  4)  4)  4)  4)  5)  5)  6)  7)  7)  7)  8)  8)  8)  8)  8)  9)  9)  9)  9)  9	V STANDARD; PRT; 585 AA.  22 (Rel. 41, Created)  22 (Rel. 41, Last sequence update)  23 (Rel. 41, Last annotation update)  35 precursor (Frizzled-5) (Pz-5) (hFz5) (FzE5).  775.  18 (Human).  Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi  Eutheria; Primates; Catarrhini; Hominidae; Homo	23.5 537 1 FZD4 HUMAN Q9ulv1 h 23.2 666 1 FZD3 MOUSE 23.1 525 1 FZD4—CHICK Q91a05 g 22.9 538 1 FZD4—BAT 22.9 537 1 FZD4 MOUSE 22.9 666 1 FZD3—HUMAN 22.4 666 1 FZD3—HUMAN 22.4 664 1 FZD3—KUMAN 22.1 7705 1 FRZ4—DROME 21.7 705 1 FRZ4—DROME 21.7 709 1 FZD6 MOUSE 20.7 709 1 FZD6 MOUSE
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PROSITE; PS50261; G_PROTEIN_RECEP_F2_4; 1.
Multigene family; G-protein_coupled_receptor; Transmembrane;
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Pfam; PF01534; Frizzled; 1.
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                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   similarity). Similarity: Belongs to family {\tt FZ/SMO} OF G-PROTEIN COUPLED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tissues. Interacts specifically with Wnt5A to induce the beta-
catenin pathway. Gratenin pathway. Integral membrane protein. DOMAIN: Lys-Thr-X-X-X-Trp motif is involved in the activation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SIMILARITY: CONTAINS 1 FRIZZLED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the Wnt/beta-catenin signaling pathway (By similarity) DOMAIN: The fz domain is involved in binding with Wnt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SWISS-PROT entry is copyright. It is produced through a collaboration een the Swiss Institute of Bioinformatics and the EMBL outstation -
DEAGLEVHQFWPLVEIQCSPDLREFLCTMYTPICLPDYHKPLPPCRSVCERAKAGCSPLM
                                               MARPDPSAPPSLLLLLLAQLVGRAAAASKAPVCQEITVPMCRGIGYNLTHMPNQFNHDTQ
                                                                 MARPDPSAPPSLLLLLLAQLVGRAAAASKAPVCQEITVPMCRGIGYNLTHMPNQFNHDTQ 60
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T -> S (IN REF. 2)
DT -> ER (IN REF. 2).
A -> G (IN REF. 2).
G -> A (IN REF. 2).
G -> A (IN REF. 2).
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); Mismatches
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1 (POTENTIAL)
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QSEQDO; CO8975;
15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
15-JUN-2002 (Rel. 41, Last annotation update)
15-JUN-2002 (Rel. 41, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wang Y., Macke J.P., Abella B.S., Andreasson K., Worley P., Gilbert D.J., Copeland N.G., Jenkins N.A., Mathans J.; "A large family of putative transmembrane receptors homologous product of the Drosophila tissue polarity gene frizzled."; J. Biol. Chem. 271:4468-4476(1996)
                                                                                                                                                                                                             -I-FUNCTION: Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of dishevelled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. Plays a role in yolk sac angiogenesis and in placental vascularization. Binds to Wnt2, Wnt10B, Wnt5A, but not to Wnt2B or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN=C57BL/6; TISSUE=Prostate;
Johnson M.A., Greenberg N.M.;
Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases
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"Mouse Wnt receptor
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Mammalia; Eutheria;
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                                                                                              epithelial cells of colon.

- DEVELOPMENTAL STACE lung bud at 9.5 de
                              similarity).
SIMILARITY:
                                                            DEVELOPMENTAL STAGE: Expressed in the yolk sac, placenta, ey lung bud at 9.5 days post coitum (dpc). At 10.5 dpc, also expressed in the placental blood vessel of embryonic origin. DOMAIN: The fz domain is involved in binding with Wnt ligance
                                                                                                                                                                 SUBCELLULAR LOCATION:
TISSUE SPECIFICITY: EX
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                               BELONGS
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                                                                                                                                               TION: Integral membrane protein.
TY: Expressed in eye, kidney, lung, of the small intestine and gobelet
                               TO FAMILY FZ/SMO OF G-PROTEIN COUPLED
                                                                                                 Expressed in the yolk sac,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     essential for yolk sac and placental
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cells of the
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